git goodness. mls qos trust. a pppoe conversation. 5 days!

WOTD: aurora from ISS, courtesy: nasa.gov

:: VLOG TOPICS ::

// Written exam //

clus wisp files

git goodness

work - windows 7

labbing - mac

\*\* mini-review of mls qos trust \*\*

Ethernet frame

3 bits - 802.1p bits field, inside optional 802.1q vlan tag

0-7 mapped to CoS values

IP packet

IPv4 header field

legacy - TOS (Type of Service), 8 bits

IP Precedence values

current - 6 bit DSCP (Differentiated Services Codepoint) field, 2 bit ECN

CS (class selector) AFxy (Assured Forwarding), and EF (Expedited Forwarding)

mls qos trust

default behavior

do not trust incoming markings and set default CoS value to 0

mls qos trust **cos**

trust incoming CoS values of voice and data

dscp bits derived from CoS

mls qos trust (same as mls qos trust dscp)

trust incoming dscp values of voice and data

non-IP packets set to CoS 0

mls qos trust **device cisco-phone**

trust incoming CoS values of voice and data

if not a Cisco phone, values set to 0

\* some incoming values can be re-mapped by other commands

a pppoe conversation (pcap)

:: MEAT CHUNKS (links OTD):

simple dscp explainer:

<http://bogpeople.com/networking/dscp.shtml>

mls qos trust doc:

<https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/qos/command/qos-cr-book/qos-m2.html#wp3022589880>

:: SOCIAL MEDIA ::

TWITCH - <https://www.twitch.tv/thelantamer>

DISCORD - <https://discord.gg/BBSGPYH>

YOUTUBE - <https://www.youtube.com/thelantamer>

TWITTER - <https://twitter.com/thelantamer>

INSTAGRAM - <https://www.instagram.com/thelantamer/>

:: LAB LINKS ::

Google Drive share - <http://bit.ly/2AbJQhp>

INE Diagrams - <http://bit.ly/2mgTGso>

INE VIRL files on Github - <http://bit.ly/2ht78YH>